

AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions and listings of claims in the application:

1. (Currently Amended) A fluid bag₁ comprising:

one or more compartments, each compartment suitable for containing one or more fluids, the fluid bag containing, in at least one compartment, a fluid selected from a group consisting of:

a dialysis fluid for use in an apparatus for hemodialysis, hemodiafiltration, hemofiltration, or peritoneal dialysis;

a replacement fluid to be delivered to a patient in order to replace an ultrafiltrate withdrawn from a patient during hemodialysis, hemofiltration, hemodiafiltration, or peritoneal dialysis; and

a rest product fluid from a process of hemodialysis, hemofiltration, hemodiafiltration₁ or peritoneal dialysis,

the fluid bag being at least partly made of flexible material, said fluid bag having a first main sheet and a second main sheet configured opposite to said first main sheet, an extension of said first main sheet being limited by a first boundary, an extension of said second main sheet being limited by a second boundary, and a distance between said first and second sheets defining a thickness (t) of the fluid bag, said fluid bag being sized to contain at least a certain quantity (q), in ml, of fluid when the fluid bag is completely filled with the one or more fluids,

wherein said thickness (t) of the fluid bag, when the fluid bag is configured to hang suspended in a vertical direction, never exceeds a certain value (v), in mm,

wherein:

$$q \geq 2000, \text{ and}$$

$$v \leq 2q/100, \text{ and}$$

wherein one or more distance limiting members limit the distance between said first and second main sheets by extending to the first and second boundaries of the first and second main sheets, respectively.

2. (Previously Presented) A fluid bag according to claim 1, wherein $v \leq 0.0175q$.
3. (Previously Presented) A fluid bag according to claim 2, wherein $v \leq 0.016q$.
4. (Previously Presented) A fluid bag according to claim 2, wherein $q \geq 3000$.
5. (Previously Presented) A fluid bag according to claim 4, wherein $q \geq 4000$.
- 6-7. (Cancelled)
8. (Currently Amended) A fluid bag according to claim ~~6~~ or ~~7~~ 1, wherein said at least one distance limiting member is formed by a weld joining said first and second sheets.
9. (Previously Presented) A fluid bag according to claim 8, wherein said weld has a shape of a substantially straight line.

10. (Previously Presented) A fluid bag according to claim 8, wherein said weld has a shape of a loop.

11. (Currently Amended) A fluid bag according to claim ~~6~~-~~or~~-~~7~~ 1, wherein the fluid bag includes a plurality of said distance limiting members.

12. (Currently Amended) A fluid bag according to claims ~~6~~-~~or~~-~~7~~ 1, wherein the fluid bag includes at least three distance limiting members.

13. (Previously Presented) A fluid bag according to claim 1, including at least two compartments.

14. (Previously Presented) A fluid bag according to claim 13, wherein each of the at least two compartments is provided with at least one distance limiting member.

15. (Previously Presented) A fluid bag according to claim 1, wherein the fluid bag further comprises:

a first edge portion; and

attachment means, said attachment means being configured at said first edge portion to attach the fluid bag to holding means configured to hold the fluid bag in a suspended position.

16. (Previously Presented) A fluid bag according to claim 15, wherein said attachment means are formed by at least one hole through said first edge portion.

17. (Previously Presented) A fluid bag assembly comprising the fluid bag of claim 1, wherein said fluid bag is connected via a conduit to an apparatus for hemodialysis, hemodiafiltration, hemofiltration, or peritoneal dialysis.

18. (Previously Presented) A fluid bag assembly according to claim 17, wherein the fluid bag is suspended by holding means and said fluid bag hangs down from said holding means.

19. (Previously Presented) A fluid bag assembly according to claim 18, wherein said fluid bag further comprises:

a first edge portion; and

attachment means, said attachment means being configured at said first edge portion to attach the fluid bag to holding means configured to hold the fluid bag in a suspended position, said attachment means being formed by at least one hole through said first edge portion, and wherein said holding means holds the fluid bag by a holding member protruding through said hole.

20. (Previously Presented) A fluid bag assembly comprising a plurality of fluid bags being in accordance with claim 1, wherein each fluid bag is suspended by holding means, each of said fluid bags hanging down from said holding means, and wherein said holding means forms part of or is configured in proximity to an apparatus for hemodialysis, hemodiafiltration, hemofiltration, or peritoneal dialysis.

21. (Previously Presented) A fluid bag assembly according to claim 20, wherein said fluid bags are suspended from said holding means and are configured adjacent to one another along a thickness direction of the fluid bags.

22. (Previously Presented) A fluid bag assembly according to claim 21, wherein each fluid bag is attached to said holding means at a position on said holding means, and wherein a distance (d), in mm, between the positions for adjacent fluid bags is such that $d \geq v$.

23. (Previously Presented) A fluid bag assembly according to claim 22, wherein $d < 1.5v$.

24. (Previously Presented) A fluid bag assembly according to claim 23, wherein $d < 1.2v$.

25. (Previously Presented) A fluid bag assembly according to claim 20, wherein each of said fluid bags further comprises:

a first edge portion; and

attachment means, said attachment means being configured at said first edge portion to attach the fluid bag to holding means configured to hold the fluid bag in a suspended position, said attachment means being formed by at least one hole through said first edge portion, and wherein for each fluid bag, said holding means holds the fluid bag by a holding member protruding through said hole.

26. (Previously Presented) A fluid bag assembly according to claim 20, wherein the number of fluid bags is at least three.

27. (Previously Presented) A fluid bag assembly according to claim 20, wherein at least one of said fluid bags is connected, via a conduit, to an apparatus for hemodialysis, hemodiafiltration, hemofiltration, or peritoneal dialysis.

28. (Previously Presented) A system for hemodialysis, hemodiafiltration, hemofiltration, or peritoneal dialysis comprising an apparatus for hemodialysis, hemodiafiltration, hemofiltration, or peritoneal dialysis and at least one fluid bag according to claim 1.

29. (Previously Presented) A system according to claim 28, further comprising:

holding means that forms part of or is configured in proximity to said apparatus for hemodialysis, hemodiafiltration, hemofiltration, or peritoneal dialysis, wherein said fluid bag is suspended by said holding means such that the fluid bag hangs down from said holding means.

30. (Previously Presented) A system for hemodialysis, hemodiafiltration, hemofiltration, or peritoneal dialysis comprising an apparatus for hemodialysis, hemodiafiltration, hemofiltration, or peritoneal dialysis, the system further comprising:

a plurality of fluid bags in accordance with claim 1, wherein each fluid bag is suspended by a holding means such that each fluid bag hangs down from said holding means.

31. (Previously Presented) A system according to claim 30, wherein said fluid bags are suspended from said holding means and are configured adjacent to one another along a thickness direction of the fluid bags.

32. (Previously Presented) A system according to claim 31, wherein each fluid bag is attached to said holding means at a certain position on said holding means, and wherein a distance (d) between the positions for adjacent fluid bags is such that $d \geq v$.

33. (Previously Presented) A system according to claim 32, wherein $d < 1.5v$.

34. (Previously Presented) A system according to claim 33, wherein $d < 1.2v$.

35. (Previously Presented) A system according to claim 30, wherein said holding means includes a plurality of holding members arranged to hold the fluid bags suspended from said holding members.

36. (Previously Presented) A system according to claim 35, wherein each of said fluid bags further comprises:

a first edge portion; and

attachment means, said attachment means being configured at said first edge portion to attach the fluid bag to holding means configured to hold the fluid bag in a suspended position, said attachment means being formed by at least one hole through said first edge portion, and wherein for each fluid bag, said holding means holds the fluid bag by a holding member protruding through said hole.

37. (Previously Presented) A system according to claim 30, wherein the number of fluid bags is at least three.

38. (Previously Presented) A system according to claim 28, wherein at least one fluid bag is connected, via a conduit, to said apparatus for hemodialysis, hemofiltration, hemofiltration, or peritoneal dialysis.

39. (Currently Amended) A fluid bag according to claim [[7]] 1, further comprising: a plurality of compartments having borderlines, wherein said at least one distance limiting member is formed at a position separated by a distance between said borderlines of said plurality of compartments.